

DIAGNOSTIC AGENT FOR SCANNING BONE

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Abstract of JP57050928

PURPOSE:The titled diagnostic agent, containing methanehydroxydiphosphonic acid (salt) and pertechnetate acid reducing agent at a specified weight ratio, capable of suppressing the deposition of the radioactivity on soft tissues, preferably the liver, other than bones, and giving clear diagnosis.

CONSTITUTION:A composition for preparing a radioactive diagnostic agent for scanning bones containing a carrier for scanning bones selected from methanehydroxydiphosphonic acid or a salt thereof and pertechnetate acid reducing agent preferably a stannous salt, e.g. stannous chloride, at a weight ratio between the carrier and the stannous salt in the range of 1:1-7:1, and if necessary a pharmaceutically acceptable reducing stabilizer, e.g. ascorbic acid or erythorbic acid, is brought into contact with an aqueous solution containing technetium-99m in the form of a pertechnetate acid salt (pertechnetate) to give a radioactive diagnostic agent for scanning bones labeled with ^{99m}Tc .

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